



#12
2-25-04
ca

Electronic Filing System (EFS) Data
Electronic Patent Application Submission
USPTO Use Only

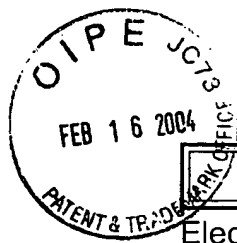
EFS ID: 55594
Application ID: 09917842
Title of Invention: ATOMIC LAYER DEPOSITION APPARATUS
First Named Inventor: Barry Chin
Domestic/Foreign Application: Domestic Application
Filing Date: 2001-07-27
Effective Receipt Date: 2004-02-16
Submission Type: Information Disclosure Statement
Filing Type:
Confirmation number: 3573
Attorney Docket Number: 5017Y01

Total Fees Authorized: 180.0
Payment Category: Deposit Account
Deposit Account Number: 200782
Deposit Account Name: Keith P Taboada
Access Code: ****
RAM Payment Status: RAM success
RAM User ID: EFSPROD
RAM Accounting Date: 2004-02-16
RAM Sequence Number: 29






RECEIVED
FEB 18 2004
Technology Center 2100

Digital Certificate Holder: cn=Keith Patrick Taboada,ou=Registered Attorneys,ou=Patent and Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US
Certificate Message Digest: afb68e3d8948ec0dac9ba003fd6cd8b75eeb1f37



TRANSMITTAL

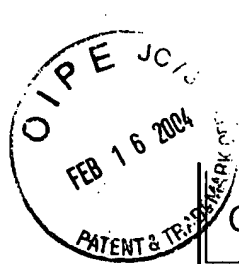
Electronic Version v1.1
Stylesheet Version v1.1.0

Title of Invention	ATOMIC LAYER DEPOSITION APPARATUS																
<table><tr><td>Application Number:</td><td>09/917842</td><td></td></tr><tr><td>Date:</td><td>2001-07-27</td><td></td></tr><tr><td>First Named Applicant:</td><td>Barry L. Chin</td><td></td></tr><tr><td>Confirmation Number:</td><td>3573</td><td></td></tr><tr><td>Attorney Docket Number:</td><td>5017Y01</td><td></td></tr></table>			Application Number:	09/917842		Date:	2001-07-27		First Named Applicant:	Barry L. Chin		Confirmation Number:	3573		Attorney Docket Number:	5017Y01	
Application Number:	09/917842																
Date:	2001-07-27																
First Named Applicant:	Barry L. Chin																
Confirmation Number:	3573																
Attorney Docket Number:	5017Y01																
<p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p> <table border="1"><thead><tr><th>Submitted by:</th><th>Elec. Sign.</th><th>Sign. Capacity</th></tr></thead><tbody><tr><td>Keith P Taboada Registered Number: 45150</td><td>/Keith P Taboada/</td><td>Attorney</td></tr></tbody></table>			Submitted by:	Elec. Sign.	Sign. Capacity	Keith P Taboada Registered Number: 45150	/Keith P Taboada/	Attorney									
Submitted by:	Elec. Sign.	Sign. Capacity															
Keith P Taboada Registered Number: 45150	/Keith P Taboada/	Attorney															
<table><tr><td>Documents being submitted</td><td>Files</td></tr><tr><td>us-ids</td><td>APPM5017Y01-usidst.xml</td></tr><tr><td></td><td>us-ids.dtd</td></tr><tr><td></td><td>us-ids.xsl</td></tr><tr><td>us-fee-sheet</td><td>APPM5017Y01-usfees.xml</td></tr><tr><td></td><td>us-fee-sheet.xsl</td></tr><tr><td></td><td>us-fee-sheet.dtd</td></tr></table>			Documents being submitted	Files	us-ids	APPM5017Y01-usidst.xml		us-ids.dtd		us-ids.xsl	us-fee-sheet	APPM5017Y01-usfees.xml		us-fee-sheet.xsl		us-fee-sheet.dtd	
Documents being submitted	Files																
us-ids	APPM5017Y01-usidst.xml																
	us-ids.dtd																
	us-ids.xsl																
us-fee-sheet	APPM5017Y01-usfees.xml																
	us-fee-sheet.xsl																
	us-fee-sheet.dtd																

RECEIVED

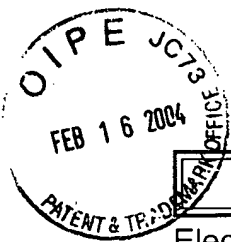
FEB 18 2004

Technology Center 2100



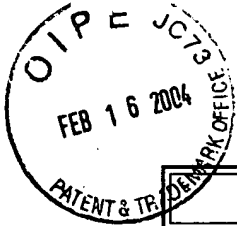
Comments

RECEIVED
FEB 18 2004
Technology Center 2100

**FEE TRANSMITTAL**

Electronic Version v08
Stylesheet Version v08.0

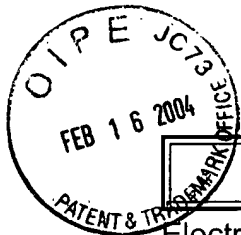
Title of Invention	ATOMIC LAYER DEPOSITION APPARATUS																					
<table><tr><td>Application Number:</td><td>09/917842</td><td></td><td rowspan="6">RECEIVED FEB 18 2004 Technology Center 2100</td></tr><tr><td>Date:</td><td>2001-07-27</td><td></td></tr><tr><td>First Named Applicant:</td><td>Barry L. Chin</td><td></td></tr><tr><td>Attorney Docket Number:</td><td>5017Y01</td><td></td></tr><tr><td>Art Unit:</td><td>3573</td><td></td></tr><tr><td>Examiner:</td><td>Alexander Kosowski</td><td></td></tr></table>				Application Number:	09/917842		RECEIVED FEB 18 2004 Technology Center 2100	Date:	2001-07-27		First Named Applicant:	Barry L. Chin		Attorney Docket Number:	5017Y01		Art Unit:	3573		Examiner:	Alexander Kosowski	
Application Number:	09/917842		RECEIVED FEB 18 2004 Technology Center 2100																			
Date:	2001-07-27																					
First Named Applicant:	Barry L. Chin																					
Attorney Docket Number:	5017Y01																					
Art Unit:	3573																					
Examiner:	Alexander Kosowski																					
TOTAL FEE AUTHORIZED \$180 Patent fees are subject to annual revisions on or about October 1st of each year.																						
BASIC FILING FEE																						
<table border="1"><thead><tr><th>Fee Description</th><th>Fee Code</th><th>Amount \$</th><th>Fee Paid \$</th></tr></thead><tbody><tr><td>Submission Of Information Disclosure Stmt Fee.</td><td>1806</td><td>180</td><td>180</td></tr></tbody></table>				Fee Description	Fee Code	Amount \$	Fee Paid \$	Submission Of Information Disclosure Stmt Fee.	1806	180	180											
Fee Description	Fee Code	Amount \$	Fee Paid \$																			
Submission Of Information Disclosure Stmt Fee.	1806	180	180																			
AUTHORIZED BILLING INFORMATION The commissioner is hereby authorized to charge indicated fees and credit any overpayments to: Deposit account number: 200782 Access Code: **** Deposit name: Moser Patterson Sheridan LLP Deposit authorized name: Keith P Taboada Signature: /Keith P Taboada/ Date (YYYYMMDD): 2004-02-13																						



FEE TRANSMITTAL

Electronic Version v08
Stylesheet Version v08.0

Title of Invention	ATOMIC LAYER DEPOSITION APPARATUS										
Application Number: 09/917842											
Date: 2001-07-27		RECEIVED FEB 18 2004 Technology Center 2100									
First Named Applicant: Barry L. Chin											
Attorney Docket Number: 5017Y01											
Art Unit: 3573											
Examiner: Alexander Kosowski											
TOTAL FEE AUTHORIZED \$180											
Patent fees are subject to annual revisions on or about October 1st of each year.											
BASIC FILING FEE											
<table border="1"><thead><tr><th>Fee Description</th><th>Fee Code</th><th>Amount \$</th><th>Fee Paid \$</th></tr></thead><tbody><tr><td>Submission Of Information Disclosure Stmt Fee</td><td>1806</td><td>180</td><td>180</td></tr></tbody></table>				Fee Description	Fee Code	Amount \$	Fee Paid \$	Submission Of Information Disclosure Stmt Fee	1806	180	180
Fee Description	Fee Code	Amount \$	Fee Paid \$								
Submission Of Information Disclosure Stmt Fee	1806	180	180								
AUTHORIZED BILLING INFORMATION											
The commissioner is hereby authorized to charge indicated fees and credit any overpayments to:											
Deposit account number: 200782											
Access Code ****											
Deposit name: Moser Patterson Sheridan LLP											
Deposit authorized name: Keith P Taboada											
Signature: /Keith P Taboada/											
Date (YYYYMMDD): 2004-02-13											



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of
Invention

ATOMIC LAYER DEPOSITION APPARATUS

Application Number: 09/917842

Confirmation Number: 3573

First Named Applicant: Barry Chin

Attorney Docket Number: 5017Y01

Art Unit: 3573

Examiner: Alexander Kosowski

Search string: (6630030 or 6579372 or 6578287 or 6572705
or 6551406 or 6511539 or 6481945 or 6478872
or 6447607 or 6306216 or 6305314 or 6270572
or 6231672 or 6200893 or 6197683 or 6183563
or 6174377 or 6139700 or 6042652 or 6015590
or 5916365 or 5879459 or 5855680 or 5835677
or 5807792 or 5796116 or 5730802 or 5711811
or 5674786 or 5503875 or 5483919 or 5480818
or 5443647 or 5441703 or 5374570 or 5338362
or 5294286 or 5281274 or 5261959 or 5225366
or 4993357 or 4975252 or 4834831 or 4413022
or 4389973 or 4058430).pn.



RECEIVED

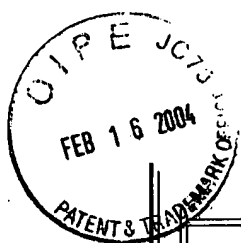
FEB 18 2004

Technology Center 2100

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	6630030	2003-10-07	Suntola et al.	B1		
	2	6579372	2003-06-17	Park	B2		
	3	6578287	2003-06-17	Aswad	B2		
	4	6572705	2003-06-03	Suntola et al.			
	5	6551406	2003-04-22	Kilpi			
	6	6511539	2003-01-28	Raaijmakers			
	7	6481945	2002-11-19	Hasper et al.			
	8	6478872	2002-11-12	Chae et al.			
	9	6447607	2002-09-10	Soininen et al.			
	10	6306216	2002-10-23	Kim et al.			



	11	6305314	2001-10-23	Sneh et al
	12	6270572	2001-08-07	Kim et al.
	13	6231672	2001-05-15	Choi et al.
	14	6200893	2001-03-13	Sneh
	15	6197683	2001-03-06	Kang et al.
	16	6183563	2001-02-06	Choi et al.
	17	6174377	2001-01-16	Doering et al.
	18	6139700	2000-10-31	Kang et al.
	19	6042652	2000-03-28	Hyun et al.
	20	6015590	2000-01-18	Suntola et al.
	21	5916365	1999-06-29	Sherman
	22	5879459	1999-03-09	Gadgil et al.
	23	5855680	1999-01-05	Soininen et al.
	24	5835677	1998-11-10	Li et al.
	25	5807792	1998-09-15	Ilg et al.
	26	5796116	1998-08-18	Nakata et al.
	27	5730802	1998-03-24	Ishizumi et al.
	28	5711811	1998-01-27	Suntola et al.
	29	5674786	1997-10-07	Turner et al.
	30	5503875	1996-04-02	Imai et al.
	31	5483919	1996-01-16	Yokoyama et al.
	32	5480818	1996-01-02	Matsumoto et al.
	33	5443647	1995-08-22	Aucoin et al.
	34	5441703	1995-08-15	Jurgensen
	35	5374570	1994-12-20	Nasu et al.
	36	5338362	1994-08-16	Imahashi
	37	5294286	1994-03-15	Nishizawa et al.
	38	5281274	1994-01-25	Yoder
	39	5261959	1993-11-16	Gasworth
	40	5225366	1993-07-06	Yoder
	41	4993357	1991-02-19	Scholz
	42	4975252	1990-12-04	Nishizawa et al.
	43	4834831	1989-05-30	Nishizawa et al.
	44	4413022	1983-11-01	Suntola et al.
	45	4389973	1983-06-28	Suntola et al.
	46	4058430	1977-11-15	Suntola et al.

RECEIVED

FEB 18 2004

Technology Center 2100



Remarks

Note: Remarks are not for responding to an office action.

This Information Disclosure Statement is being filed in conjunction with a PAPER Information Disclosure Statement referencing Foreign patent. The necessary Fee being submitted herewith is for both Information Disclosure Statements.

Signature

Examiner Name	Date

RECEIVED
FEB 18 2004
Technology Center 2100